

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S34	1	("313"/\$.ccls.)AND((molybdenum mo)same(chromium cr))AND(lamp with capsule)	US-PGPUB; USPAT	OR	ON	2006/03/02 12:46
S35	27	("313"/\$.ccls.)AND(chromium\$manganese chromium\$boron chromium\$cobalt chromium\$iron)	US-PGPUB; USPAT	OR	ON	2008/01/15 14:09
S36	8	((("20020008477") or ("4015165") or ("3959682") or ("4777404") or ("3420944") or ("3105867")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/02 12:29
S37	6	("313"/\$.ccls.)AND(foil same (manganese mn)same(chromium cr))	US-PGPUB; USPAT	OR	ON	2006/03/02 12:49
S38	3	(lamp)same(foil same (manganese mn)same(chromium cr))	US-PGPUB; USPAT	OR	ON	2006/03/02 12:50
S39	20	(lamp)same((foil conductor electrode) same (manganese mn)same(chromium cr))	US-PGPUB; USPAT	OR	ON	2006/03/02 12:54
S40	343	(lamp)and((foil conductor electrode) same (manganese mn)same(chromium cr))	US-PGPUB; USPAT	OR	ON	2006/03/02 13:43
S41	6	("3105867").URPN.	USPAT	OR	ON	2006/03/02 13:40
S42	18	("3105867"   "3515931"   "3548245"   "4110657"   "4254356"   "4851733").PN. OR ("5430353").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 13:42
S43	3850	(lamp)and((foil conductor electrode)same(chromium cr))	US-PGPUB; USPAT	OR	ON	2006/03/02 13:43
S44	2463	("313"/\$.ccls.)and((foil conductor electrode)same(chromium cr))	US-PGPUB; USPAT	OR	ON	2008/01/15 14:21
S45	677	("313"/\$.ccls.)and((foil conductor electrode)same(chromium cr)same(manganese mn cobalt co iron fe boron bo))	US-PGPUB; USPAT	OR	ON	2006/03/02 13:44
S46	28	("313"/\$.ccls.)and((foil)same(chromium cr)same(manganese mn cobalt co iron fe boron bo))	US-PGPUB; USPAT	OR	ON	2006/03/02 13:49
S47	778	("313"/\$.ccls.)and((oxidation oxidize oxide)same(chromium cr)same(manganese mn cobalt co iron fe boron bo))	US-PGPUB; USPAT	OR	ON	2006/03/02 13:50

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S48	158	("313"/\$.ccls.)and((oxidation oxidize oxide)same(chromium cr)same(manganese mn cobalt co iron fe boron bo))AND(lamp)	US-PGPUB; USPAT	OR	ON	2007/08/21 10:27
S49	2	("3420944").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/02 14:00
S50	18	("3420944").URPN.	USPAT	OR	ON	2006/03/02 14:14
S51	1	("3793615").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/02 14:15
S52	11	("3420944"   "3448320").PN. OR ("3793615").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 14:26
S54	1259	(chromium with (manganese cobalt iron boron) with alloy)same(\$oxidation)	US-PGPUB; USPAT	OR	ON	2006/03/02 14:57
S55	60	(chrome with (manganese cobalt iron boron) with alloy)same(\$oxidation)	US-PGPUB; USPAT	OR	ON	2006/03/02 16:09
S56	497	((chrome chromium Cr)with(manganese mn)with(alloy))same(oxidation)	US-PGPUB; USPAT	OR	ON	2006/03/02 16:13
S57	173	((((chrome chromium Cr)with(manganese mn)with(alloy))same(oxidation))AND(alloy.ti.)	US-PGPUB; USPAT	OR	ON	2006/03/02 16:25
S58	21	((chrome chromium Cr)and(manganese mn)and(alloy)).ti.	US-PGPUB; USPAT	OR	ON	2006/03/02 16:28
S59	60	((chrome chromium Cr)and(manganese mn)).ti.	US-PGPUB; USPAT	OR	ON	2006/03/02 16:39
S60	12622	((chrome chromium Cr)with(manganese mn))with alloy	US-PGPUB; USPAT	OR	ON	2007/08/21 10:15
S61	4137	((chrome chromium Cr)adj3(manganese mn))with alloy	US-PGPUB; USPAT	OR	ON	2006/03/02 16:41
S62	613	((chrome chromium Cr)adj3(manganese mn))adj3 alloy	US-PGPUB; USPAT	OR	ON	2006/08/16 10:08
S63	130	((chrome chromium Cr)adj(manganese mn))adj alloy	US-PGPUB; USPAT	OR	ON	2006/03/02 16:41
S64	292	((chromium chrome cr)with(iron fe cobalt co boron bo)with(alloy)).ti.	US-PGPUB; USPAT	OR	ON	2006/03/03 08:41
S65	1002	((chromium chrome cr)with(cobalt co)with(alloy))same(corosion oxidation)	US-PGPUB; USPAT	OR	ON	2006/03/03 08:41

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S66	18	((chromium chrome cr)adj(cobalt co)adj(alloy))same(corosion oxidation)	US-PGPUB; USPAT	OR	ON	2006/03/03 08:45
S67	46	((chromium chrome cr)adj2(cobalt co)adj2(alloy))same(corosion oxidation)	US-PGPUB; USPAT	OR	ON	2006/03/03 08:45
S68	1	("3868277").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/15 13:49
S69	2	("3235379").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/16 09:34
S70	280	((((chrome chromium Cr)adj3(manganese mn))adj3 alloy)and(lamp light foil)	US-PGPUB; USPAT	OR	ON	2006/08/16 10:09
S71	2029	((((chrome chromium Cr)adj3(manganese mn cobalt co iron fe boron b))adj3 alloy)and(lamp light foil)	US-PGPUB; USPAT	OR	ON	2006/08/16 10:10
S72	218	((((chrome chromium Cr)adj3(manganese mn cobalt co iron fe boron b))adj3 alloy)same(lamp light foil)	US-PGPUB; USPAT	OR	ON	2006/08/16 10:24
S73	404	((((chrome chromium Cr)adj3(manganese mn cobalt co iron fe boron b))adj3 alloy)same(lamp light foil)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/16 10:17
S75	1	("3959682").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/09 16:10
S76	1	("3959682").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/12 08:51
S77	17	((oxidation anti\$1oxidation)same(chromium\$1cobalt chromium\$1manganese chromium\$1iron chromium\$1boron stainless\$1steel))same(lamp light electrode conductor)	US-PGPUB; USPAT	OR	ON	2007/02/12 10:37
S78	7	((("4015165") or ("3959682") or ("4777404") or ("3420944") or ("3105867")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/12 09:00
S79	7	("3551722"   "3644773").PN. OR ("4777404").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/12 10:33

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S80	18	((oxidation anti\$1oxidation)same(chromium\$1cobalt chromium\$1manganese chromium\$1iron chromium\$1boron stainless\$1steel))same(lamp light electrode conductor wire)	US-PGPUB; USPAT	OR	ON	2007/02/12 12:28
S81	1002	(chromium\$1cobalt chromium\$1manganese chromium\$1iron chromium\$1boron stainless\$1steel)same(electrode conductor wire)	US-PGPUB; USPAT	OR	ON	2007/02/12 12:29
S82	584	((chromium\$1cobalt chromium\$1manganese chromium\$1iron chromium\$1boron stainless\$1steel)same(electrode conductor wire))and(lamp light)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 12:56
S83	4	(chromium\$1manganese)same(electrode conductor wire)same(lamp light)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 12:57
S84	25	(chromium\$1manganese)same(electrode conductor wire)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 12:57
S85	85	(chromium\$1manganese Cr\$1Mn)same(electrode conductor wire)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 15:16
S87	2	((("4015165") or ("4777404"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/09 14:39
S88	1787	("313"/\$.ccls.)and((cr chromium chrome)same(manganese Mn cobalt Co boron Bo))	US-PGPUB; USPAT	OR	ON	2007/08/21 10:39
S89	1649	S88 and (lamp light bulb oxidation rust oxidiz\$3)	US-PGPUB; USPAT	OR	ON	2007/08/21 10:19
S90	4	("313"/\$.ccls.)and((oxidation oxidize oxide)same(inconel))AND(lamp)	US-PGPUB; USPAT	OR	ON	2007/08/21 10:28

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S91	22	("313"/\$.ccls. )and((inconel))AND(lamp)	US-PGPUB; USPAT	OR	ON	2007/08/21 10:28
S92	474	("313"/\$.ccls.)and(((cr chromium chrome)same(manganese Mn cobalt Co boron Bo))inconel)and(lamp or (light with bulb))	US-PGPUB; USPAT	OR	ON	2007/08/21 10:39
S93	18	("2385340"   "3465197"   "3780328"   "3818558").PN. OR ("4015165"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/21 10:51
S94	4	("5468168"   "5742123"   "6020685"   "6190728").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/21 13:11
S95	10	("20030111958"   "20040070344"   "4238705"   "4441051"   "5659222"   "5754005"   "5867786"   "6362568"   "6461427"   "6469443").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/21 13:21
S97	11276	(((cr chromium chrome)with(manganese Mn cobalt Co boron Bo))Invar Inconel Nichrome)same(oxidation rust oxidiz\$3)	US-PGPUB; USPAT	OR	ON	2007/08/21 14:47
S98	3381	(((cr chromium chrome)with(manganese Mn cobalt Co boron Bo)with alloy)Invar Inconel Nichrome)same(oxidation rust oxidiz\$3)	US-PGPUB; USPAT	OR	ON	2007/08/21 14:47
S99	581	(((cr chromium chrome)with(manganese Mn cobalt Co boron Bo)with alloy)Invar Inconel Nichrome)same(oxidation rust oxidiz\$3))same(electrical lamp bulb wire wiring lead)	US-PGPUB; USPAT	OR	ON	2007/08/21 14:51
S10 0	113	(((cr chromium chrome)with(manganese Mn cobalt Co boron Bo)with alloy)Invar Inconel Nichrome)same(oxidation rust oxidiz\$3))same(electrical lamp bulb wire wiring lead)same(mo molybdenum)	US-PGPUB; USPAT	OR	ON	2007/08/22 10:42
S10 1	27	((((cr chromium chrome)with(manganese Mn cobalt Co boron Bo)with alloy)Invar Inconel Nichrome)same(oxidation rust oxidiz\$3))same(electrical lamp bulb wire wiring lead))and("313"/\$. ccls.)	US-PGPUB; USPAT	OR	ON	2007/08/22 15:36

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S10 2	8	(((((cr chromium chrome)with(manganese Mn cobalt Co boron Bo)with alloy)Invar Inconel Nichrome)same(oxidation rust oxidiz\$3))same(electrical lamp bulb wire wiring lead))and("445"/\$. ccls.)	US-PGPUB; USPAT	OR	ON	2007/08/22 12:28
S10 3	2	(((((cr chromium chrome)with(manganese Mn cobalt Co boron Bo)with alloy)Invar Inconel Nichrome)same(oxidation rust oxidiz\$3))same(electrical lamp bulb wire wiring lead))and("315"/\$. ccls.)	US-PGPUB; USPAT	OR	ON	2007/08/22 12:29
S10 4	15	(((((cr chromium chrome)with(manganese Mn cobalt Co boron Bo)with alloy)Invar Inconel Nichrome)same(oxidation rust oxidiz\$3))same(electrical lamp bulb wire wiring lead))and("361"/\$. ccls.)	US-PGPUB; USPAT	OR	ON	2007/08/22 12:37
S10 5	0	(((((cr chromium chrome)with(manganese Mn cobalt Co boron Bo)with alloy)Invar Inconel Nichrome)same(oxidation rust oxidiz\$3))same(electrical lamp bulb wire wiring lead))and("362"/\$. ccls.)	US-PGPUB; USPAT	OR	ON	2007/08/22 12:37
S10 6	74	(((((cr chromium chrome)with(manganese Mn cobalt Co boron Bo)with alloy)Invar Inconel Nichrome)same(oxidation rust oxidiz\$3))same(electrical lamp bulb wire wiring lead))and("428"/\$. ccls.)	US-PGPUB; USPAT	OR	ON	2007/08/22 13:30
S10 7	118	(((((cr chromium chrome)with(manganese Mn cobalt Co boron Bo)with alloy)Invar Inconel Nichrome)same(oxidation rust oxidiz\$3))same(electrical lamp bulb wire wiring lead))	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 15:15
S10 9	3984	(((((cr chromium chrome)with(manganese Mn cobalt Co boron Bo)with alloy)Invar Inconel Nichrome)same(oxidation rust oxidiz\$3))and(electrical lamp bulb wire wiring lead))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 15:30

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S11 0	2469	(((((cr chromium chrome)with(manganese Mn cobalt Co boron Bo)with alloy))same(oxidation rust oxidiz\$3))and(electrical lamp bulb wire wiring lead))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 15:30
S11 1	12	(((((cr chromium chrome)same(manganese Mn cobalt Co boron Bo)with alloy))same(oxidation rust oxidiz\$3))same(electrical lamp bulb wire wiring lead))and("313"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/08/22 15:54
S11 2	70	(((((cr chromium chrome)same(manganese Mn cobalt Co boron Bo)with alloy))same(oxidation rust oxidiz\$3))same(electrical lamp bulb wire wiring lead))and("428"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/08/22 15:48
S11 4	1989	((cr chrome chromium)same(mn manganese B boron cobalt co))and("313"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/08/22 16:00
S11 5	480	((cr chrome chromium)same(mn manganese B boron cobalt co))and("313"/\$.ccls.)and(lamp)	US-PGPUB; USPAT	OR	ON	2007/08/22 16:27
S11 6	836	("313"/\$.ccls.)and(glass with metal with seal\$3)and(lamp)	US-PGPUB; USPAT	OR	ON	2007/08/22 16:28
S11 7	18	("2517019"   "3132279"   "3436109").PN. OR ("3742283").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/23 12:36
S11 8	1	("4777404").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/28 10:39
S11 9	23	("313"/\$.ccls.)AND(chromium\$boron CrB boron\$1steel)	US-PGPUB; USPAT	OR	ON	2008/01/15 14:14
S12 0	90	("313"/\$.ccls.)AND(chromium\$boron CrB boron\$1steel ((cr chrome chromium) with (B boron) with alloy))	US-PGPUB; USPAT	OR	ON	2008/01/15 14:15
S12 1	70	("313"/\$.ccls.)AND(((cr chrome chromium) with (B boron) with alloy))	US-PGPUB; USPAT	OR	ON	2008/01/15 14:15
S12 2	4545	(foil conductor electrode oxidation oxidize oxide wiring)and(light lamp bulb tube)and(chromium\$boron CrB boron\$1steel ((cr chrome chromium) with (B boron) with alloy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 14:23

## EAST Search History

S12 3	122	(foil conductor electrode oxidation oxidize oxide wiring)and(light lamp bulb tube)and(chromium\$boron CrB boron\$1steel ((cr chrome chromium) with (B boron) with alloy))	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/15 14:23
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